

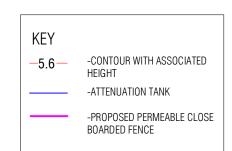
FIRST FLOOR 7:100 - 1 in 100 YEAR FLOOD LEVEL + 20% CLIMATE CHANGE 6.560 - 1 in 100 YEAR FLOOD LEVEL STORAGE TANKS-TOTAL CAPACITY -31.5M3

NO. 19 SECTION AA 1:200

EACH TANK TO CONTAIN 2 NO. STORAGE CHAMBERS. ONE (2/3 TOTAL CAPACITY) TO TO HAVE AN INLET SET AT +6.8M AOD. ONE (1/3 TOTAL CAPACITY) TO HAVE AN INLET SET AT +7.0M AOD.

LEVEL(M)	EXISTING FLOOD STORAGE (M3)	PROPOSED FLOOD STORAGE (M3)	NET GAIN / LOSS (M3)	CUMULATIVE GAIN / LOSS(M3)
5.0 - 5.2	0	0	0	0
5.2 - 5.4	5	5	+0	+0
5.4 - 5.6	207**	242**	+35	+35
5.6 - 5.8	147	166	+19	+54
5.8 - 6.0	162	172	+10	+64
6.0 - 6.2	172	177	+5	+69
6.2 - 6.4	176	177	+1	+70
6.4 - 6.6	176	177	+1	+71
6.6 - 6.8	176	177	+1	+72
6.8 - 7.0	176	178*	+2	+74
7.0 - 7.1	88	90*	+1	+76
TOTAL	1485	1561	76 (5% increase)	+76

- \* Volume includes lower level storage tank. with inlet set to height of ground
- \*\* Volume includes additional volumes at lower levels that were not available for storage when flood levels were at a lower level



2010/216 by XYZ Land Surveys (dated Sept 2010)

28.02.11) from their Lower Thames (Reach 4) Modelling Study (see Flood Risk Assessment by Peter Brett Associates for further details). storage within low level tanks.

cumulative totalstake the hydraulic connectivity into account.

MELBOURNE ROAD, TEDDINGTON PROPOSED FLOOD STORAGE rawing No MR-14 1:200 @ A3 22.11.2011

## CLIVECHAPMAN ARCHITECTS SUSTAINABILITY CONSULTANTS

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